

Species Tag:	51004	Species Name:	HCCNC
Version:	1		Ethylyn-isocyanide
Date:	Dec. 1994		
Contributor:	M. L. Delitsky H. M. Pickett		
Lines Listed:	563	Q(300.0)=	3775.7021
Freq. (GHz) <	991.05	Q(225.0)=	2832.7507
Max. J:	99	Q(150.0)=	1888.7322
LOGSTR0=	-10.0	Q(75.00)=	944.7917
LOGSTR1=	-100.0	Q(37.50)=	472.8781
Isotope Corr.:	0.0	Q(18.75)=	236.9363
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	118.9708
$\mu_a$ =	2.93	A=	
$\mu_b$ =		B=	4967.838
$\mu_c$ =		C=	

The observed frequency measurements were taken from: A. Guarnieri, R. Hinze, M. Krüger and H. Zerbe-Foese, 1992, *J. Mol. Spect.* **156**, 39. M. Krüger, W. Stahl and H. Dreizler, 1992, *J. Mol. Spect.* **158**, 298. The quadrupole coupling values were investigated in M. Krüger, above. Detailed field gradients and quadrupole coupling constants are presented in D. Cremer and M. Krüger, 1991, *J. Phys. Chem.* **96**, 3239.

The dipole moment was taken from M. Krüger, H. Dreizler, D. Preugschat and D. Lentz, 1991, *Angew. Chem. Int. Ed. Engl.* **30**, 1644.